

# RF-53/ CARD SWITCH RFID



## TECHNICAL CHARACTERISTICS

OPERATION VOLTAGE	Powered by RF-54/
DEGREES OF COVER PROTECTION	IP20
PRODUCED IN ACCORDANCE WITH	EN 60335-1
OPERATION TEMPERATURE RANGE	0 to 50 C
RELATIVE HUMIDITY	Up to 95%
CONSTRUCTION MATERIALS	Bayblend FR3010
EXTERNAL DIMENSIONS	82 x 82 x 53 mm
TYPICAL WEIGHT	80 gr.
GUARANTEE	2 years

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### GENERAL

The RF-53/A is a device that operates with RFID technology. It reads the RFID cards and cooperates with the RF-54/A device. The system RF-53/A with RF-54/A is used to control an electric door lock and room lighting or A/C in hotels or rent rooms.

The RF-53/A is powered by the RF-54/A device and communicates with it to transfer the code of each RFID card that it reads. The cards are supplied by request, printed with the customer's logo (RF-50/T) or plain (RF-50). The RF-53/A has an orange LED to indicate the existence of an RFID card. It is off when a card is in the slot. The device has also two indication LED's (green and red), and a buzzer.

The LED's states are:

#### Green:

*On:* The card is appropriate (accompanied by sound signal).

#### Red (External Card Switch):

*On:* There is a tenant in the room.

*blinks:* The card is recognised, but is not registered in RF-54/A's memory.

### INSTALLATION

The device's installation is done in recess mounted wall switch boxes for walls as shown on figures 1 and 2.

The connection with the RF-54/A is shown in the installation manual of the RF-54/A.

Lift the front plastic cover, and with a flat blade screwdriver unlock the plastic hook to remove it.



Figure 1

After placing the device inside the recess mounting box, stabilize it, by fastening the 2 retaining screws and refit the front plastic cover until it locks.

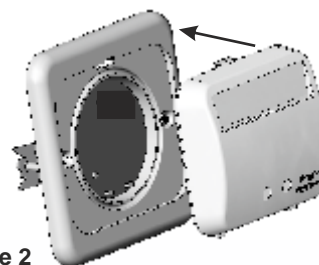
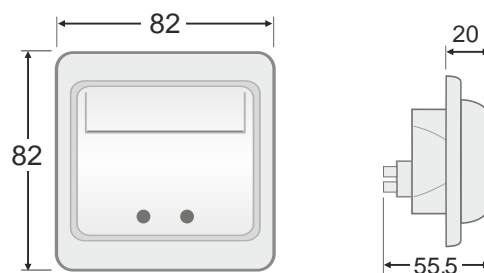
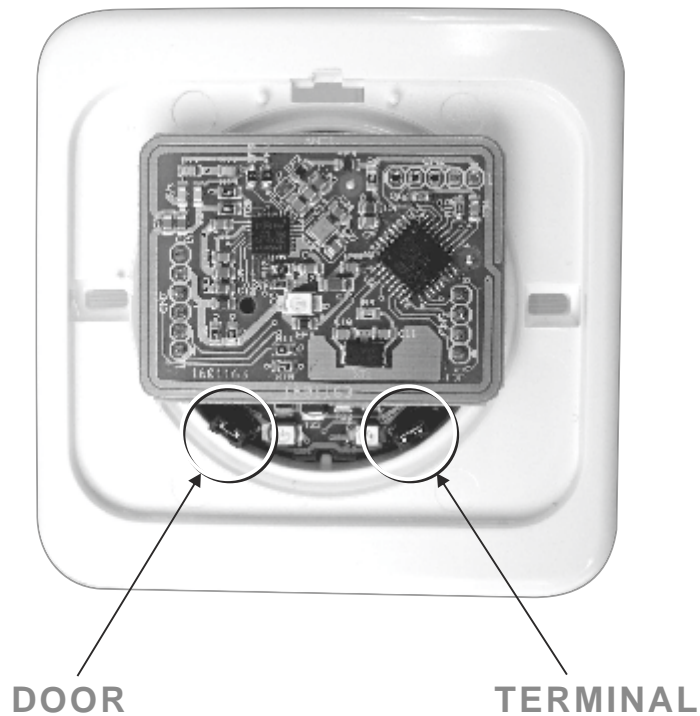


Figure 2



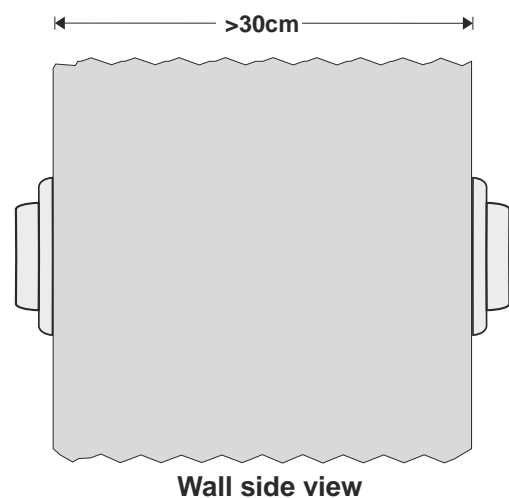
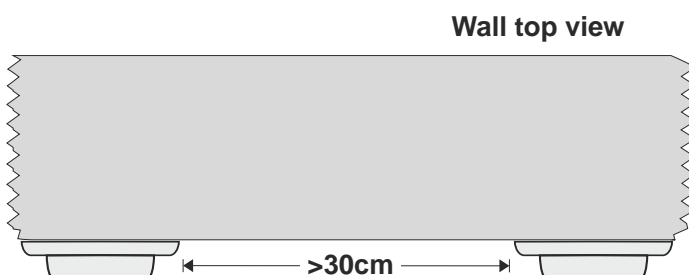
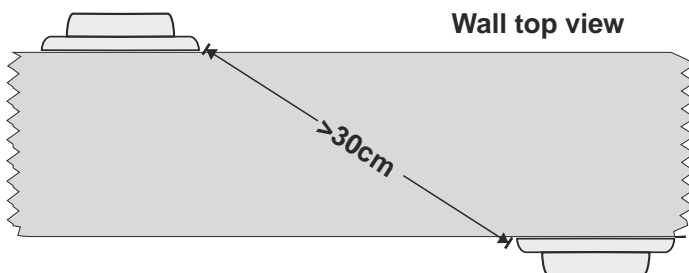
Dimensions RF-53 in mm

The device is produced to operate as an external card switch.  
To operate the RF-53/A as internal card switch you must remove  
the front plastic cover figure 1. Remove carefully the P.C.B,  
and the jumpers according to the picture below.  
Refit carefully the P.C.B and the front plastic  
cover (mind the orientation) and the device is ready to operate.



## ATTENTION!!!

The RF-53/ operates with radio frequencies, so  
a distance  $>30\text{cm}$  between 2 devices  
is required in horizontal or vertical axis.



**WARRANTY**

Olympia Electronics guarantees the quality, condition and operation of the goods. The period of warranty is specified in the official catalogue of Olympia Electronics and also in the technical leaflet, which accompanies each product. This warranty ceases to exist if the buyer does not follow the technical instructions included in official documents given by Olympia Electronics or if the buyer modifies the goods provided or has any repairs or re-setting done by a third party, unless Olympia Electronics has fully agreed to them in writing. Products that have been damaged can be returned to the premises of our company for repair or replacement, as long as the warranty period is valid.

Olympia Electronics reserves the right to repair or to replace the returned goods and to or not charge the buyer depending on the reason of defection. Olympia Electronics reserves the right to charge or not the buyer the transportation cost.

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